



GHG INVENTORY REPORT VERIFICATION STATEMENT

(No. 00.22.0008.03)

EUROCERT

Accredited Verification Body for GHG emissions against EN ISO 14065:2021

accreditation number: 875 (ESYD)

verifies with reasonable assurance that the GHG Inventory Reports of the company:

ALUMAN S.A.

titled: ALUMAN 2023 CARBON FOOTPRINT REPORT, dated Nov 2024

concerning the following production site:

- 56th Km National Road Athens, Inofita 320 11, Greece,

the following activity: Production of Aluminium Slugs & Discs,

and for the **base year 2019** and the **reporting years 2021 & 2022 & 2023**

which has been prepared according to the requirements of the standard

EN ISO 14064-1:2019

and verified in accordance with EN ISO 14064-3:2019, is satisfactory and there are no material misstatements in the declared total GHG emissions, analyzed as follows:

Category	Descriptions	Total emissions 2019 (tn CO ₂ e)*	Total emissions 2021 (tn CO ₂ e)*	Total emissions 2022 (tn CO ₂ e)*	Total emissions 2023 (tn CO ₂ e)
Category 1	Direct emissions	10.750,06	11.460,21	11.225,13	11.697,00
Category 2	Indirect emissions from imported energy	3.854,51	3.418,08	4.277,81	4.192,21
Category 3	Indirect emissions from transportation	10.410,10	10.484,06	19.937,60	15.766,64
Category 4	Indirect GHG emissions from products used by organization	262.131,50	253.952,61	313.182,33	311.869,91
Category 5	Indirect GHG emissions associated with the use of products from the organization	952,09	949,53	1.124,39	1.923,72
Category 6	Indirect GHG emissions from other sources.	0	0	0	0
Total emissions (tn CO₂e)		288.098,26	280.264,49	349.747,25	345.449,48
Total emissions per production volume (t CO₂eq / t product)		9,32	9,18	9,88	8,97
Scope 1 emissions per production volume (t CO₂eq / t product)		0,35	0,38	0,32	0,30
Scope 1 and 2 emissions per production volume (t CO₂eq / t product)		0,47	0,49	0,44	0,41

**The verification team concluded a modified opinion for the verification, because the emissions of the base year 2019 and the reporting years 2021 & 2022 have been slightly updated, due to modifications in the calculation methodologies.*



Information about the verification

The verification body EUROCERT (“Verification Body”) has undertaken the verification of the information included in the GHG Inventory Report for the base year 2019 (1/1/2019-31/12/2019) and the reporting years 2021 (1/1/2021-31/12/2021), 2022 (1/1/2022-31/12/2022) and 2023 (1/1/2023-31/12/2023) of the company **ALUMAN S.A.**, according to the requirements of the standard EN ISO 14064-1:2019 and EN ISO 14064-3:2019. The responsibility for the information included in the GHG Inventory Report remains exclusively to the Company. The Verification Body conducted a sampling inspection of evidence and data, and the relevant procedures and systems, aiming to the verification of the GHG Inventory Report.

Verification Objective and tasks

The Verification Body conducted the following 3rd party verification tasks, during the time period of 28.02.2023-09.03.2023:

1. Evaluation of the management system and the methodology for the quantification, monitoring and reporting of the GHG emissions of the company, according to the requirements of the standards EN ISO 14064-1:2019 and EN ISO 14064-3:2019.
2. Onsite verification audits at the following site:

Production plant at 56th Km National Road Athens, Inofita 320 11, Greece, aiming at:

- the verification of the existence and application of systems appropriate for monitoring, collection, processing and reporting of data contained in the GHG Inventory Reports of 2019 and 2021 and the documents of the GHG emissions management system of the Company.
- the assurance of the core principles of EN ISO 14064-1:2019, including the reliability, relevance, completeness, consistency, accuracy, and transparency of the quantitative and qualitative data contained in the GHG Inventory Report, without any material errors, omissions or misrepresentations.

Scope

a) Name and date of the Emissions Report:

- ALUMAN 2023 CARBON FOOTPRINT REPORT, dated Nov 2024

b) organizational and operational boundaries and baseline scenarios: Production plant at 56th Km National Road Athens, Inofita 320 11, Greece

c) verification scope: Production of Aluminium Slugs & Discs

d) physical infrastructure, activities, technologies and processes of the organization

ALUMAN produces two types of precision manufactured aluminium semis in the forms of slugs (including slugs with hole) and discs (including discs with ears).

ALUMAN starts with aluminium ingots as raw material which is liquefied in a highly efficient casthouse. Liquid metal is then filtered for oxides, further treated for hydrogen removal, guided in a continuous casting wheel and then processed onto the hot rolling mill, followed by a quenching bath and the cold rolling mill. At the end of the line, the coils coming out of the cold rolling mill in various strip sizes are transformed into top-quality aluminium slugs and discs.

e) GHG sources, sinks and/or reservoirs

Category 1: direct GHG emissions

- Direct emissions from stationary combustion
- Direct emissions from mobile combustion

Category 2: Imported made from energy caused indirect emissions

- Indirect emissions from Imported electricity

Category 3: Transportation caused indirect emissions

- Emissions from Upstream transport and distribution of goods
- Emissions from Downstream transport and distribution of goods
- Emissions from employee commuting
- Emissions from business travels

Category 4: Establishment by used from products caused indirect emissions

- Emissions from Purchased good
- Emissions from Capital goods
- Emissions from the disposal of solid and liquid waste

Category 5: Organization of their products with the use of related indirect emissions

- Emissions from the end-of-life stage of the product

Category 6: other from sources indirect emissions

- No emissions

f) types of GHGs present: CO₂, CH₄, N₂O

g) time period(s): 1/1/2019-31/12/2019, 1/1/2021-31/12/2021 & 1/1/2022-31/12/2022 & 1/1/2023-31/12/2023

Assurance and Materiality level / Limitations

The assurance level agreed with the Company is that of reasonable assurance. For the purposes of the verification, the agreed level of assurance has been defined as reasonable ($\leq 5\%$), based on the needs of the intended use of the GHG Inventory Report. Therefore, material misstatements are defined as any omissions, distortions and errors, which when quantified, result in a difference of equal or less than with respect to the total of emissions.



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GHG Validation and Verification
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No exceptions and no issues have been identified that prevent the verification from reaching reasonable materiality.

Intended use

The GHG Inventory Report is intended to be used by the Company for the following purpose / uses:

- On a voluntary basis
- Sustainability reports
- Senior Management request
- Current Due Diligence

Results / Conclusions

The Company provided its assertions in the GHG Inventory Report for base year 2019 (1/1/2019-31/12/2019) and the reporting year 2021 (1/1/2021-31/12/2021), based on the requirements of the standard EN ISO 14064-1:2019. The reported, by the Company, GHG emissions, for the above-mentioned time period, have been verified by the Verification Body and they are in accordance with those reported on the 1st page of the present statement, consistent with the agreed scope, objective and verification criteria.

The verification tasks followed the requirements of the standards ISO 14065:2013 and ISO 14064-3:2019 and were based on a risk analysis approach, resulting in appropriate, per case, sampling schemes for the collection of the necessary evidence, tracing back from the GHG Inventory Report references to the primary data.

All data and information supporting the GHG assertions in the GHG Inventory Report were based on data and information of hypothetical and historical in nature.

Based on the verification process, procedures and tasks conducted, the GHG assertions included in the GHG Inventory Report:

- are materially correct and a fair representation of the GHG data and information and,
- are prepared and presented in accordance with the standard EN ISO 14064-1:2019 for the GHG quantification, monitoring and reporting.

Statement of Independence, Impartiality and Competence

EUROCERT is an independent professional services company that specializes in quality, environmental, health, safety and social accountability. Its assurance team has extensive experience in conducting verification over environmental and GHG emissions assertions.



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EUROCERT is an accredited certification body that operates a Quality Management System which complies with the requirements of several accreditation standards (including ISO 14065), and accordingly maintains a comprehensive system of quality control including documented policies and procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements.

EUROCERT has implemented a Declaration of Impartiality and Independence and several relevant procedures which ensure that all employees, that work for or on behalf of it, maintain high standards in their day-to-day business activities. We are particularly cautious in the prevention of conflicts of interest. EUROCERT has a few existing commercial contracts with the Company regarding management systems certification activities. Our assurance team does not have any involvement in other projects with the Company that would cause a conflict of interest and has never provided any consulting services to the Company.

On behalf of EUROCERT,
Athens, 20/11/2024

ATHI CHALKIOPOULOU
General Certification Manager